

Degree Program Course List (DPCL) of major requirements for students entering Loyola in 2017-18

NAME: _____ **B.S. COMPUTER SCIENCE - COSC (CIP 11.0701)** **DATE:** _____

English Composition Placement is: ACT ENGL score 21 or above SAT Verbal score 501 or above Register for ENGL-T122 _____ ACT ENGL score 20 or below SAT Verbal score 500 or below Register for ENGL-A100 _____	ALEKS MATH COURSE PLACEMENT 76-100, MathA257, Calculus I _____ 46-75, MathA118, Pre-Calculus _____ 0-45, MathA092, Fundamentals of Algebra _____ (not counted in final degree credits)	MAJOR.....41 Crs Computer Science.....36 Crs Intro to Programming I Cosc A211 _____ 3 _____ Intro to Programming II Cosc A212 _____ 3 _____ Object-Oriented Programming Cosc A217 _____ 3 _____ Intro to Relational Databases Cosc A270 _____ 3 _____ Computer Organization Cosc A315 _____ 3 _____ Data Structures Cosc A317 _____ 3 _____ Languages and Paradigms Cosc A361 _____ 3 _____ Operating Systems Cosc A365 _____ 3 _____ Software Engineering Cosc A451 _____ 3 _____ Cosc Elect* _____ 3 _____ Cosc Elect* _____ 3 _____ Cosc Elect* _____ 3 _____ Practical Experience.....5 Crs Internship I _____ 2 _____ Internship II _____ 3 _____	ADJUNCT.....10 Crs Intro to Linear Algebra MATH A200 _____ 3 _____ Calculus II MATH A258 _____ 4 _____ Choose one from the following: MATH A204, Discrete Math Structures MATH A260, Statistical Inference MATH A271, Applied Scientific Computing PHIL A206, Intro to Symbolic Logic _____ 3 _____	
LOYOLA CORE - 40 Credits				
FOUNDATION COURSES Crs/Grade First-Year Seminar T121 _____ 3 _____ Engl T122: Critical Reading and Writing _____ 3 _____ Math A257: Calculus I _____ 4 _____ Scie T129: Investigating Nature _____ 3 _____ <p align="center">13</p>				
KNOWLEDGE-VALUE COURSES Creative Arts & Cultures _____ 3 _____ Hist I: T122, Global I/Emerging or T124, Global II/Modern* *Choice here determines HIST II course below _____ 3 _____ Hist II* _____ 3 _____ *If T122 taken above, take HIST-Q###; if T124 above, take HIST-P### Phil I: Reasoning _____ 3 _____ Phil II: Knowledge & Morality _____ 3 _____ Rels I: Christian Theology _____ 3 _____ Rels II: World Religions _____ 3 _____ Social Science _____ 3 _____ Scie II: (Fulfilled in Adjuncts) _____ 0 _____ Writing About Literature _____ 3 _____ <p align="center">27</p>				
LANGUAGE Placement _____ Placement Course _____ 3 _____ Higher course _____ 3 _____ <p align="center">6</p>				
LANGUAGE: Choose from Spoken A100, A101, A200, A201, or Classical A100, A101, A250, A251-A499. Language above A201 not required. If placement is A201, take A201 + 3 add'l credits General Elective instead. GPA: Must achieve 2.0 in Major, Minor (if declared), and Loyola Cumulative.				Loyola Core.....40 crs Language.....6 crs Major.....41 crs Adjuncts.....10 crs General Elective.....23 crs Total.....120 crs Loyola Core requirements are governed by the catalog year that a student is admitted. See Bulletin. Courses used in the major cannot also be used to satisfy requirements for a minor: Non-major courses WILL be applied to minors as appropriate.